

bs-2015R**[Primary Antibody]****S100B Rabbit pAb****Bioss**
ANTIBODIES

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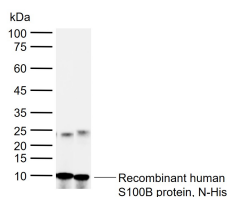
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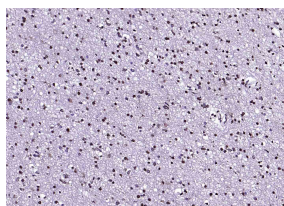
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— DATASHEET —

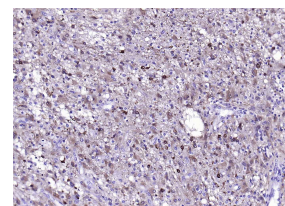
Host: Rabbit Clonality: Polyclonal GeneID: 6285 Target: S100B Immunogen: KLH conjugated synthetic peptide derived from human S100B: 31-92/92. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: S100 beta is a member of the S100 family of proteins containing 2 EF-hand calcium binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 21q22.3. This protein may function in neurite extension, proliferation of melanoma cells, stimulation of Ca ²⁺ fluxes, inhibition of PKC mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy, amyotrophic lateral sclerosis, melanoma, and type I diabetes.	Isotype: IgG SWISS: P04271	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human Predicted MW.: 10 kDa Subcellular Location: Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

Sample: Lane 1、 2: Recombinant human S100B protein, N-His Primary: Anti- S100B (bs-2015R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 10 kDa Observed band size: 10 kDa



Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (S100B) Polyclonal Antibody, Unconjugated (bs-2015R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human glioblastoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (S100B) Polyclonal Antibody, Unconjugated (bs-2015R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=15.863]** Zhu, Yaqiong. et al. Peripheral nerve defects repaired with autogenous vein grafts filled with platelet-rich plasma and active nerve microtissues and evaluated by novel multimodal ultrasound techniques. Biomaterials Research. 2022 Dec;26(1):1-29 IF ;Rabbit. 35690849

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=9.965]** Wei-Bin Wang. et al. An anisotropic nanobox based core-shell-satellite nanoassembly of multiple SERS enhancement with heterogeneous interface for stroke marker determination. J COLLOID INTERF SCI. 2023 May;; Other ;. 37245272
- **[IF=8.7]** Zekai Cui. et al. Novel Full-Thickness Biomimetic Corneal Model for Studying Pathogenesis and Treatment of Diabetic Keratopathy. MATER TODAY BIO. 2024 Dec;;101409 IF ;Human. 39807180
- **[IF=7.271]** Martin Selinger. et al. Integrative RNA profiling of TBEV-infected neurons and astrocytes reveals potential pathogenic effectors. COMPUT STRUCT BIOTEC. 2022 Jan;20:2759 IF ;Human. 35685361
- **[IF=5.264]** Li et al. Nerve injury-related autoimmunity activation leads to chronic inflammation and chronic neuropathic pain. (2013) Anesthesiolog. 118:416-29 ICC,ICC ;Rat. 23340353